What is claimed is:

- 1. A process comprising:
 - dissolving a polymer in a solvent to form a polymer solution, wherein said polymer solution further comprises one or more nucleating agents;
 - (b) gelling said polymer solution to form a gel-processed polymer;
 - optionally, removing at least part of said solvent from said gel-processed polymer;
 - (d) drawing said gel-processed polymer to a draw ratio λ of at least 20.

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- 2. The process according to claim 1, wherein said dissolving is effected at a temperature of at least 50°C.
- 3. The process according to claim 1, wherein said process comprises cooling said polymer solution to effect said gelling.
 - 4. The process according to claim 1, wherein said process comprises extending said polymer solution to obtain a shaped gel-processed polymer.
- The process of claim 4, wherein said shaped gel-processed polymer has the form of a fiber or a film.
 - 6. The process according to claim 1, wherein said process comprises removing at least part of said solvent from said gel-processed polymer prior to said drawing.

- 7. The process according to claim 1, wherein said process comprises removing essentially all said solvent from said gel-processed polymer prior to said drawing.
- 8. The process according to claim 1, wherein said process comprises removing at least part of said solvent from said gel-processed polymer during said drawing.
 - 9. The process according to claim 1, wherein said removing includes evaporating and/or extracting said solvent.

- 10. The process according to claim 1, wherein said polymer is isotactic polypropylene.
- 11. The process of claim 10, wherein said isotactic polypropylene comprises 0-10 weight percent co-monomer.

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- 12. The process according to claim 1, wherein said polymer has a weight average molecular weight below 750,000 g/mol.
- 13. The process according to claim 1, wherein said polymer has a weight average molecular weight below 600,000 g/mol.
 - 14. The process according to claim 1, wherein said polymer has a weight average molecular weight of at least 750,000 g/mol.
- 15. The process according to claim 1, wherein said polymer solution comprises less than 35 weight percent, relative to the total weight of said solvent, of said polymer.
 - 16. The process according to claim 1, wherein said polymer solution comprises less than 15 weight percent, relative to the total weight of said solvent, of said polymer.

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- 17. The process according to claim 1, wherein said polymer solution comprises at least 1 weight percent, relative to the total weight of said solvent, of said polymer.
- 18. The process according to claim 1, wherein said solvent is a mixture of solvents.

- 19. The process according to claim 1, wherein said solvent includes decalin.
- The process according to claim 1, wherein said nucleating agent is selected from the group consisting of 1,3-2,4-di(benzylidene)-D-sorbitol; 1,3-2,4-di(4-tolylidene)-D-sorbitol;
 1,3-2,4-(3,4-dimethylbenzylidene)-D-sorbitol; 1,3-2,4-di(4-ethylhenzylidene)-D-sorbitol; tricarballytic acid-type amide compounds; trimesic acid derivatives; 2,2'-methylen-bis-(4,6-di-tert-butylphenyl)phosphate; sodium benzoate; aluminum hydroxy-bis[4-(tert-butylphenzoate]; rosin/adiebetic acid salts; zinc (II) monoglycerolate; and the di-sodium salt of cis-endo-bicyclo(2,2,1)heptane 2,3-dicarboxylic acid.

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- 21. The process according to claim 1, wherein said one or more nucleating agents are at least partly dissolved in said polymer solution.
- 5 22. The process according to claim 1, wherein said polymer solution comprises, relative to the total weight of solvent in said polymer solution, less than 0.25 wt% of said one or more nucleating agents.
- 23. The process according to claim 1, wherein said polymer solution comprises, relative to the total weight of solvent in said polymer solution, less than 0.1 wt% of said one or more nucleating agents.
 - 24. The process according to claim 1, wherein said polymer solution comprises, relative to the total weight of solvent in said polymer solution, less than 0.05 wt% of said one or more nucleating agents.
 - 25. The process according to claim 1, wherein said draw ratio λ of at least 20 is obtained via a multi-stage drawing process.
- 20 26. The process according to claim 1, wherein said draw ratio λ is at least 40.
 - The process according to claim 1, wherein said draw ratio λ is at least 60.
 - 28. A film or liber obtained by the process according to claim 1.
 - 29. The film or fiber of claim 28, wherein said film or fiber has a Young's modulus of at least 10 GPa.
- 30. The film or fiber of claim 28, wherein said film or fiber has a Young's modulus of at least 20 GPa.
 - 31. The film or fiber of claim 28, wherein said film or fiber has a Young's modulus of at least 30 GPa.

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- 32. The film or fiber according to claim 28, wherein said film or fiber has a tensile strength of at least 0.5 GPa.
- 33. The film or fiber according to claim 28, wherein said film or fiber has a tensile strength of at least 0.8 GPa.
 - 34. The film or fiber according to claim 28, wherein said film or fiber has a tensile strength of at least 1.0 GPa.
- 10 35. The film or fiber according to claim 28, wherein said film or fiber has a peak melting temperature under constrained conditions of at least 185°C.
 - 36. An article comprising the film or fiber according to claim 2X.
- 15 37. The article of claim 36, wherein said article is a rope or cable.
 - 38. The article of claim 36, wherein said article is a reinforced thermoplastic, a reinforced thermosetting resin, a reinforced elastomer, or reinforced concrete.
- 20 39. The article of claim 36, wherein said article is a pressure vessel, a hose, a power transmission belt, an anti-ballistic product, or a construction material.
 - 40. The article of claim 36, wherein said article is a sail.
- 25 41. A process comprising:
 - dissolving isotactic polypropylene in a solvent to form a polymer solution, wherein
 - (i) said polymer solution further comprises one or more alpha nucleating agents, and
- (ii) the total amount of nucleating agents in said polymer solution is, relative to the total weight of solvent in said polymer solution, less than 0.1 weight percent;
 - (b) gelling said polymer solution to form a gel-processed polymer;

- (c) optionally, removing at least part of said solvent from said gel-processed polymer;
- (d) drawing said gel-processed polymer.

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- (a) dissolving isotactic polypropylene in a solvent to form a polymer solution, wherein
 - said polymer solution further comprises one or more nucleating agents selected from the group consisting of 1,3-2,4-di(benzylidene)-D-sorbitol; 1.3-2,4-di(4-tolylidene)-D-sorbitol; 1,3-2,4-(3,4-dimethylbenzylidene)-D-sorbitol; 1,3-2,4-di(4-ethylbenzylidene)-D-sorbitol; tricarballytic acid-type amide compounds; trimesic acid derivatives; 2,2'-methylen-bis-(4,6-di-tert-butylphenyl)phosphate; sodium henzoate; aluminum hydroxy-bis[4-(tert-butyl)benzoate]; rosin/adiebetic acid salts; zinc (II) monoglycerolate; and the di-sodium salt of cis-endo-bicyclo(2.2.1)heptane 2,3-dicarboxylic acid; and
 - the total amount of nucleating agents in said polymer solution is,
 relative to the total weight of solvent in said polymer solution, less than
 0.1 weight percent;
- (b) gelling said polymer solution to form a gel-processed polymer;
 - (c) optionally, removing at least part of said solvent from said gel-processed polymer;
 - (d) drawing said gel-processed polymer.
- 25 43. The process according to claim 41, wherein said process comprises biaxial drawing.
 - 44. The process according to claim 41, wherein said total amount of nucleating agents is less than 0.05 weight percent.
- 30 45. A porous membrane obtained by the process according to claim 41.